VISION

To be recognized as a premier institution of excellence providing relevant quality education, research and consultancy services to the society.

MISSION

Our endeavor is to impart knowledge and develop clinical skills.

OBJECTIVES

Under the overall policy of the Medical Education, the objectives of the Institution are grouped as follows:

- Excellence in all fields of health care education
- To develop a compassionate, analytical and ethical approach in the delivery of health care to the community
- Upholding respect for life, from the moment of conception to its natural end
- A genuine feeling of compassion for the patients and their families as persons
- A special thrust to Community Health fostering the dimensions of participatory team work
- Serving the health needs of medically underserved areas of our country and our medically underprivileged brethren
- Acquiring the ability to research and application of the advances in scientific knowledge to the relevant fields of work
- Striving towards promoting holistic health
- Acquiring an exemplary steadfastness to principles and moral values so as to witness to a life of honesty and integrity
Dear Students,

It gives me great pleasure in introducing to you one of the premier institutions in the field of health sciences in the country.

It gives me immense pleasure to interact with you through this brochure. It is said that education is what stays with a person when everything else is gone. In today’s competitive world, good education is not only a must but also an opportunity to excel in different spheres of life. In my belief, education along with a sharp mind capable of understanding and possessing a sense of being a responsible individual is an antidote to ignorance.

Keeping with the Mission of Academic Excellence, TMU is always continuing its date with inexorable developmental activities in all the fronts, in a bid to create a world class University. This is reflected by the consistent expansion of Infrastructure, Faculty Research contributions & National and International linkages & Collaborative initiatives, signalling out globally that TMU is focused with its thrust area in Research & Scientific developmental activities.

Teerthanker Mahaveer Medical College and Research Centre has achieved an important position in the educational landscape of Uttar Pradesh and India. This is a matter of gratification for the faculty, students, staff and other stakeholders of the Institution. It will motivate them to take this institution to greater heights of excellence and accomplishments.

We are dedicated to the triple mission of education, research and community service. We are committed to maintaining a conducive educational environment which prepares students for a career of excellence in the practice of medicine and dentistry and service to their communities.

Committed to fulfilling our responsibilities, it is our mission to educate students to become caring, compassionate, ethical and proficient health care professionals. We believe that they will be creative medical students, capable of conducting research in the health sciences and encouraging new responses to health care needs including providing excellence in patient care.

I congratulate you for having chosen this college to pursue and attain your future dreams and professional objectives in the area of health sciences and wish to extend my heartiest welcome on behalf of the entire TMMC&RC fraternity.

-Dr. (Lt. Gen.) B K Chopra
Principal

Our Faculty
The College is recognised for the following Under Graduate and post-graduate degree courses, with the approval of the Medical Council of India and the Government of Uttar Pradesh. The number of seats available in each of these courses in 2017 is indicated alongside.

**MBBS - 2008 Onwards**

**M.D./M.S Courses - Pre & Para Clinical) - 2012 Onwards**
- Anatomy
- Biochemistry
- Community Medicine
- Forensic Medicine


**Ph.D. Medical - 2013 Onwards**
- Anatomy
- Physiology
- Biochemistry
- Pharmacology
- Microbiology

**M.D./M.S Courses (Clinical) - 2014 Onwards**
- Anesthesiology
- Dermatology
- ENT
- General Medicine
- General Surgery
- Obstetrics & Gynaecology
- Ophthalmology
- Orthopaedics
- Paediatrics
- Psychiatry
- Radiology
- TB & Chest


**M.Sc. Medical - 2009 Onwards**
- Anatomy
- Physiology
- Biochemistry
- Pharmacology
- Microbiology
Why Choose TMU?

- UGC approved 135 programs across 20 on-campus colleges
- 14000 students from all over India, as well as from countries like Bhutan, Nepal, Nigeria, Maldives and South Sudan
- 950 well qualified and experienced faculty
- State-of-the-art infrastructure spread over 140 acres of land with 55,00,000 sq.ft. (5,11,000 sq mt) of constructed area
- 1000 bed multi super specialty hospital
- Separate hostels for boys and girls to accommodate 4600 students
- Well stocked separate library for each college having more than 1,60,000 books
- Subscription to 470 research journals
- Access to 7455 research journals through EBSCO, DELNET database, Manupatra, Shodhganga, Clinical Key and Micromedex 2.0
- Top of the line Microsoft ERP system
- Wi-fi enabled campus with broadband connectivity across the campus
- 24 hrs. uninterrupted power and Reverse Osmosis (RO) water supply across the campus
- State-of-the-art air conditioned auditorium with 550 seating capacity
- On-campus, furnished residential accommodation for faculty along with a guest house for the visitors
- Modern and world class Indoor stadium with facilities for basketball, volleyball, badminton, tennis, table tennis, squash, chess, wushu and yoga
- State-of-the-art air-conditioned gymnasium with a fitness centre
- Excellent sports infrastructure and facilities for games viz. cricket, track & field events, football and hockey
- Home to modern shops and eateries open to students and staff
- Banking facilities including lockers and ATM on-campus with on the spot sanctioning of educational loan
- Liberal scholarship schemes on merit-cum-means basis
- 4 well-equipped language labs to encourage efficient soft skills
- University has a tie up with Dale Carnegie for training the students in soft skills
- The University has been conferred with:
  - The Best Private University of India award by Journalists Federation of India
  - “Rajiv Gandhi Excellence Award” as Best Higher Education Institution by Pahchan – International Social Organization
  - CIDC Vishwakarma Award for outstanding contribution towards Mission Skilling India
  - CIDC Partner in Progress Trophy

- College of Management and Technology (TMIMT) rated amongst top 5 B-Schools of North India by various professional bodies
- Member of various professional bodies as well as of Association of Indian Universities and of QAI Global Institute Inc.
- Absolutely Ragging free environment
- Regular interactive sessions with eminent personalities from industry and academia
- Strong industry-university interface with collaborations with IL&FS – Skills, IBM, Microsoft IT Academy, i-Nurture, AutoCadd etc.
- Excellent placement track record with strong alumni connect
The Teerthanker Mahaveer University was established by an ’Act’ (No. 30) of 2008 of the Government of Uttar Pradesh and was approved by the University Grants Commission (UGC), since inception in 2008, vide letter No. F. 9-31/2008(CPP-1) dated October, 2008. The University is located on National Highway-24, 144 Km from New Delhi. The University stands committed to the ideals of Lord Mahaveer- Right Philosophy, Right Knowledge, and Right Conduct in all the spheres of activity and aspires to be recognized as the ultimate destination for world class education. At the same time, the University is responsive to the changing and exceptional requirements of our society and economy and contributes to find answers to global problems.

Known for excellence in academics and innovative research, the multi-disciplinary University offers a wide range of undergraduate concentrations, master’s programs and doctoral degree across diverse streams, namely, Medical, Dental, Pharmacy, Nursing, Paramedical Sciences, Physiotherapy, Hospital Administration, Physical Education, Engineering, Architecture, Polytechnic, Law, Journalism, Fine Arts, Language Studies, Jain Studies, Women Studies, Disability Studies, Directorate of Distance Education and Agriculture to meet rising aspirations of the youth. Most of these programs have been developed after an initial survey of the demand for such Programs.

TMU provides a unique environment for students to grow under the guidance of experienced academicians and to acquire creative, innovative and technical skills which are required to make the students industry ready. Our talented faculty and staff form a dedicated team committed to the mission of the University. It is a dynamic, research intensive University committed to the development of life-saving discoveries and new technologies to tackle some of the most pressing global challenges.

The programs offered are designed to equip graduates with the necessary skills and expertise, to be the leaders in their chosen profession. The key to the success lies in the high premium it places on innovation, along with the work that is done by different role players and stakeholders to promote the University achievements in the fields of Medical Science, Engineering and Technology. This is being achieved through a benchmarking system, which ensures that training and research programs always meet the highest standards.

Education at TMU is not just about books and classrooms but also about overall personality development and honing special skills. It provides an environment conducive to teaching and learning adequately supported by innovative academic and research programs and practices.

The University has well qualified and experienced faculty, state-of-the-art laboratories and research facilities, well planned residential space along with a great eco-system for extra and co-curricular activities. The campus is fully wifi enabled and uses the latest technology to impart education. With the availability of these important building blocks of a top-notch institution, TMU enjoys a unique position to facilitate the all round development of students to help them acquire the ability of lifelong learning and to make them competent professionals as well as good human beings.
Teerthanker Mahaveer Medical College and Research Centre was established in year 2008 with the approval of the Ministry of Health and Family Welfare for an admission intake of 100 MBBS students, which has been increased to 150 seats from 2014-15. It conducts Post Graduate degree (MD) in Pre and Para Clinical subjects of Anatomy, Physiology, Biochemistry, Pathology, Microbiology, Forensic Sciences, Community Medicine and Pharmacology, approved by the Medical Council of India (MCI). MCI has approved MD/MS in Medicine, Psychiatry, Dermatology, Surgery, Radiology, Anaesthesiology, Paediatrics, ENT and Ophthalmology and in Orthopaedics, OBG and TB & Chest with an intake of 92.

The college has started three-year post graduate program in M.Sc. Medical (Anatomy, Physiology, Biochemistry, Pharmacology and Microbiology) from 2009 to augment the availability of qualified teachers in Pre and Para Clinical subjects. Ph.D. program in these subjects has commenced from 2013-14.

Hospital facilities of the Medical College and Research Centre provide modern health care including critical care and emergency services to the population at large. In a short span of time, the hospital has developed into 1000 bed tertiary care hospital with facilities to save lives. A casualty section and an intensive care unit with various sub-specialties like ICCU, ICU, RICU, NICU, PICU, Obstetrics and Gynaecology, and Burn treatment have been added. Department of General Surgery provides facilities for Endoscopic Studies and Surgeries. Department of Medicine facilitates Echocardiography, TMT and Cath lab. The hospital is also equipped with facilities for Paediatric Surgery, Neuro Surgery, Urology, Cardiology and cardiac surgery (Mitral Valve replacement by open heart Surgery with invasive & non-invasive procedures), GI Surgery, Reconstructive Surgery, Joint Replacement Surgery, Cancer detection and Sterility Clinic etc. Department of Radiology provides Fluoroscopy and facilities for Ultrasound and Color Doppler Studies, Digital X-Rays with an image intensifier, CT scan, MRI and Mammography. The hospital is well equipped with modern operation theaters for General Surgery, Orthopedics, Ophthalmology, ENT and Obstetrics and Gynaecology, besides one for emergency services. Central Laboratory services are available for Pathological, Clinical Biochemistry and Microbiological investigations.

Lecture theaters and demonstration rooms are well equipped with audio visual aids. In addition, computerized animal experimental exercises are used in Pharmacology, so as to save animal life. Workshops and Conferences are organized on current issues from time to time.
Innovative Practices

Curriculum Design & Development

- The goal of institute is to produce specialized and advanced health care professionals
- Curriculum of MBBS & MD courses are implemented as prescribed by MCI
- Feedback of the students at the entry, during the course and on exit
- Curriculum enhancement is promoted by providing support to attend national and international conferences, CMEs and workshops
- Various innovative methods of teaching adopted such as, Seminar, problem based learning, Integrated Learning, Role Play, Guest Lectures, Museum Visits, skills lab, simulation techniques, clinical training and Quiz etc.

Curriculum Enrichment

- Modification of syllabus is being done by members of ‘Board of Studies’ from time to time
- Recent advances focuses on emerging needs of the students, patients and community health services
- Clinical and surgical skills are developed among students
- The institute complies regulatory guidelines with respect to patient safety, confidentiality and right education

Student Support & Progression

Various committees are formed for the welfare of the students by senior faculty members like, Student Welfare Committee, Mentorship committee, Anti Ragging Committee, Sports and Socio Cultural Committee etc.

These committees take care of:

1. Student support and mentoring.
2. Staff has been appointed to promote welfare of students.
3. Students are encouraged for extra curricular activities.
Teerthanker Mahaveer Medical College Hospital has widely expanded various clinical departments with a provision of super specialty care with growing spectrum of diseases and increasing demand of such facilities. The Hospital is the apex health institution and provides tertiary care to the entire population of Moradabad and adjoining districts besides imparting clinical training to the students.

The Medical college Hospital has a bed strength of 1000 beds. It houses the various clinical and para clinical departments like Medicine, Psychiatry, Dermatology, Pulmonary Medicine, Paediatrics, General Surgery, Eye, ENT, Orthopaedics, Gynae & Obs, Radiology and Anaesthesia. It also has a well developed Blood Bank and a Central lab for Pathology, Microbiology and Bio-Chemistry. The diagnostic facilities like MRI, Spiral CT and Color Doppler are also available in the hospital.

The Hospital is a complex organization involving interaction between various faculties and departments for care and treatment of sick and needy. TMU Hospital is a home away for sick and those who need treatment. The services provided by the hospital are broadly classified as under:

<table>
<thead>
<tr>
<th>Clinical And Nursing Services</th>
<th>Supportive Services</th>
<th>General Administration</th>
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<tbody>
<tr>
<td>OPD</td>
<td>Blood Bank</td>
<td>The Division is responsible for handling all administrative matters in respect of Hospital. It comprises of a group of senior doctors, senior nurses and Administrative officers</td>
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<tr>
<td>IPD</td>
<td>Physiotherapy</td>
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<tr>
<td>Casualty</td>
<td>C.S.S.D</td>
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<td>OT Complex</td>
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<td>ICU Complex</td>
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Over the period Teerthanker Mahaveer Medical college Hospital has established a coronary care unit with Echocardiography, Holter, TMT, Image Intensifier and facilities for regular Angiography, Angioplasty, By-pass surgery & implantation of temporary and permanent pacemakers.

In addition, following facilities are available:

- A Dialysis unit with latest Haemodialysis machines
- A well developed Neurology Lab with facilities of EEG, NCV, EMG and BERA
- An air conditioned Ward for critically burnt patients
- A Neurosurgery unit with back up for spiral CT Scan and ICU for Head Injury cases
- A Urodynamic Lab
- A Spinal ward for spinal injury cases and facilities for Arthroscopy, Hip & Knee arthroplasty in Orthopaedics Department
- An Endoscopy section with facilities for upper and lower G.I. Endoscopy for the Gastroenterology Department
- An Endocrinological Lab for Hormonal study
- ND/ Yag Laser facilities for Ophthalmology Department
- State-of-the-art infertility centre with facilities of IVF, ICSI, Laser hatching, TESE & PESA

The emergency wing is well equipped with modern facilities to provide the emergency and trauma care services round the clock on all the days. There are 5 beds in Triage area and 35 beds in emergency ward. One emergency OT and one minor OT is located in emergency wing. The services include accident, trauma, medical and surgical emergencies, paediatrics and Gynaecological emergencies.

The hospital has 12 well equipped modular operation theaters for General Surgery, Orthopedics, ENT, Ophthalmology, Obs and Gynae and for Super-specialties like Plastic Surgery, Neurosurgery, and Paediatric surgery besides one for emergency services in the casualty section. Beside this there are three minor OTs. There is one licensed Blood Bank in Teerthanker Mahaveer Medical College Hospital. The Blood Bank is well equipped and has facilities to prepare the blood components. It caters to the need of all the medical and surgical specialties and super specialties of the medical college Hospital.
Hospital Records at a Glance

Life Saving Procedures

Dialysis

Investigations

C.T.Scans
MRIs

X-Ray
Ultrasound

ECHO
TMT

Microbiology Lab
Department of Anaesthesiology

The department strives to prepare the student so that they:

- Should be competent to anaesthetise all categories of patients from ASA-I to V for every type of elective and emergency surgery
- Should be able to diagnose and treat acute and chronic pain conditions
- Should be competent to manage critically ill patients in emergency and ICU requiring routine to advanced monitoring, mechanical ventilation and other interventions
- Should be aware of the recent advances and developments in medical sciences as related to anaesthesia, analgesia and critical care
- Should be oriented to principles of research methodology; and is competent to teach acquired skills to medical and paramedical professionals

The excellent physical infrastructure is supported by well equipped modular Operation Theaters with sophisticated electro-medical equipment.

The department has following sub departments:
1. Operation Theatre
2. ICUs
3. Pain Clinic
4. Pre Anaesthetic Clinic and
5. Central Sterile Supply Depot

The department provides surgical cover to all surgical specialties everyday. Super specialty cover in form of Cardiovascular, Neurosurgery, Paediatric, Urology and Plastic Surgery is also given.

Emergency facilities are available for 24 hrs.

Teaching of UG and PG is done with modern audiovisual aids like:
- Power point display using LCD projectors
- Black Board teaching in association with OHP, Internet / LCD TV

Department of Dermatology

- The department strives to educate the subject to Post Graduate students from grass root level to the latest changes taking place everyday via comprehensive research analysis and reasoning
- To promote academic and ethical etiquettes in young students (PGs as well as UGs) in order to groom the doctors of the future
- The department has one male & one female ward with fifteen beds each along with an attached laboratory
- There is an isolation ward with ten beds (five for males and five for females) in case of requirement
- There is an attached laboratory within the ward
- There is one minor OT containing equipment for patch testing, electrocautery, comedone extraction, wood’s lamp etc.
One fully air conditioned laser room housing three different types of lasers namely the CO₂ fractional laser, Q-switch and Nd-YAG laser are present and are fully operational.

The Department also has a NBUVB-PUVA chamber along with derma abrader and liquid nitrogen container for carrying out day to day procedures.

The department boasts a variety of chemical peels (salicylic, glycolic acid, TCA etc.) specially to address the various cosmetic concerns of our patients.

Special clinics are run on specific days of the week. Specialty clinics of respective diseases run on specific days of the week to provide tailor made care to the patients visiting the department.

Department of ENT

The department of ENT has highly experienced faculty as per MCI guidelines.

OPD has a state-of-the-art modern examining unit having facilities of nasal endoscopy, stroboscopy, fibre optic laryngoscopy and otoendoscopy.

Department also has hearing assessment unit with audiometry, otoacoustic emissions, BERA and Speech Therapy.

Separate and state-of-the-art fully equipped Operation Theatre along with Zeiss microscopes and Storz and Stryker endoscopy unit.

Well maintained ward with 40 beds along with the procedure room.

State-of-the-art temporal bone lab for beginners to learn the fineness of otology and to enhance their knowledge by cadaveric bone dissections.
Department of Medicine

The Department strives to deliver high quality comprehensive services to the local and extended community with excellence, compassion and competence.

The department provides OPD services and 24 hour emergency & ICU services to the patients.

Department provides full time super specialty services in:

- Cardiology
- Nephrology
- Gastroenterology
- Neurology

The Department of Medicine is very well equipped with all the equipments and services to provide complete perfect care to all the patients under one roof. The Department has well equipped 46 beds casualty, 11 beds MICU, 10 beds CCU, 5 beds RICU to provide intensive care.

The Department also has facilities like:

- Cath lab and bypass surgery
- Diagnostic and therapeutic endoscopic services
- Haemodialysis services
- Neuro lab that provides investigations like EEG, EMG, NCV, BERA

Department of Surgery

Goals:

- To develop attitude, knowledge and skills related with surgical care for UG and PG students
- To set standards for UG and PG education in surgery department
- To provide our patients with most ethical, compassionate, cost effective, skilled and innovative surgical care of high quality
- To promote professional and personal growth in a collaborative environment which helps in developing the next generation leaders in the department
- Department trains UG and PG students by imparting theoretical, practical and moral education and training along with latest advances in the field so as to enable them with recent developments in surgery
- Department provides services in general surgery and super specialty- Neuro Surgery, Cardiothoracic surgery, Plastic Surgery, Paed. Surgery, Uro Surgery and GI surgery
Department of Obstetrics & Gynaecology

Apart from providing routine obstetrics and gynaecological services, the department provides:

- Special clinic for high risk pregnancy, gynaecological oncology and infertility
- Patients attending postnatal clinic are also counseled on cafeteria approach of contraception
- Minor OPD Procedures performed on regular basis are:
  - IUI
  - Pap Smear
  - Colposcopy
  - Cervical biopsy
  - TAS
  - TVS
  - NST

The department has a separate INFERTILITY CENTRE with state-of-the-art IVF lab which has facilities like ICSI, semen banking, oocyte donation, TESE and PESA.

Round The Clock Emergency Services (Labour Ward)

The main labour rooms are highly sophisticated. Monitors for patients and Cardio Tocography machines for foetal well being assessment are available. There is a septic Labour room for all the infected cases.

Operative Services

Operation theatre is well equipped for all the elective open and laparoscopy cases.

Major surgeries like Lower Segment Cesarean Section, abdominal and vaginal hysterectomy, cystectomy, oncosurgery, tuboplasty are done quite often in routine.

All types of laparoscopy including diagnostic hystero-laparoscopy, total laparoscopic hysterectomy, lap. Cystectomy are done. Emergency operations like LSCS, laparotomy forectopic pregnancy are also done. Surgeries regarding family planning like tubectomies are also performed.
Department of Ophthalmology

- Department provides specialized eye care for patients of various eye diseases including cataract, glaucoma, corneal diseases, retinal diseases and squint disorders
- Department of Ophthalmology is also involved in various research projects Superspecialty clinics in Cornea, Retina, Glaucoma, Squint & Neuro-ophthalmology. Department is equipped with State-of-the-art eye bank
- Excellent Glaucoma Clinic equipped with OCT, Humphery’ Automated perimetry
- Retina clinic equipped with FFA, green Laser and vitrectomy machine and YAG Laser for various procedures

Department of Orthopaedics

- Provides state-of-the-art, comprehensive as well as cost-effective care for all musculoskeletal disorders
- Provides prompt treatment by responsive and compassionate surgeons and quality facilities
- Achieve the best outcome for every patient and treat patients with sensitivity and empathy
- The Department of Orthopaedics deals with all types of bone diseases ranging from congenital, metabolic & neoplastic disorders, degenerative and infective bone and joint diseases. Trauma, both fresh and neglected is an important and integral aspect dealt by the Department
- The Department provides specialised Surgery for spinal diseases, total hip and knee replacement surgeries and arthroscopic surgery for knee disorders
- There are two modular operating rooms with C-arm image intensifier in each theatre. Other specialised instruments include Pneumatic drill and trauma reconstruction system (Synthes), electric drills, Electric tourniquet, Stryker system 6 powered instruments and specialized instruments for hip and Knee arthroplasties
- The Bone Skills Lab is a novel procedural training facility that has been created by the Department of Orthopedics. The lab provides ‘Hands on Training’ of various Orthopedic surgical procedures to the postgraduate students. The lab is devoted to enhance surgeon’s education and skills through hands on training
Department of Paediatrics

- Department of Paediatrics is one of finest departments of this college. The department has both undergraduate & postgraduate sections
- It has well equipped PICU & NICU with CPAP, Ventilators
- Phototherapy Oxygen therapy and facilities for exchange transfusion
- The department runs a number of sub specialty clinics like Paediatric cardiology, Paediatrics endocrinology, Paediatric neurology, Paediatric nephrology, Paediatrics Gastroenterology and Paediatric Asthma
- Teaching of postgraduates is done in the department. This includes both didactic lectures & ward teaching
- PG students are exposed to a variety of cases. They carry out a number of procedures like cannulations, endotracheal intubation on day to day basis under supervision. Seminars, Case presentation & Journal clubs are conducted at regular intervals to update students

Department of Psychiatry

The Department has a strong faculty comprising of Professors, residents counsellors and supportive staff

- The Department has a strong faculty comprising of Professors, residents counsellors and supportive staff
- The Department strives to conduct in ways that reflect its deep commitment to integrity, compassion, diversity and teamwork, excellence and innovation. These values are emblematic of who we are and what we aspire to be
- The department offers specialty services in the form of child guidance clinic, family counseling clinic, substance addiction clinic and geriatric care clinic
- All the latest equipment like multiple behavior therapy machine, biofeedback machine, EEG machine and ECT Machine are available
State-of-the-art diagnostic facilities in the Department of Radiodiagnosis:

- MRI Siemens – Avanto 1.5 Tesla, 18 Channel
- CT Scan Phillips Ingenuity, 128 Slice
- Mammography Siemens – Mamomat
- Ultrasound Machines with Color Doppler
- X-Ray 1000MA Machine with DR System
- X-Ray 800MA Machine with IITV
- Facilities for multiple special investigations, USG / CT guided procedures.
- Team of very experienced specialists serving not only the patients but also as Faculty members training the post-graduate students promoting them to present scientific papers & posters in CMEs / conferences
- The Department has a vision to provide the most modern & state-of-the-art diagnostic facilities including oncology related patients with upgrade to 3T MRI scanner, 256-Slice CT scanner as well as CT-PET & MRI-PET

Department of TB & Chest

The department strives to teach and train the post graduate students in the field of pulmonary medicine such as in PFT, Bronchoscopy, Sleep Lab, Thoracoscopy and Critical Care Medicine.

The department is well equipped with

- Separate PFT Lab
- One Bronchoscopy Lab
- One Sleep Study Lab

The department has a 5 bedded respiratory ICU (RICU), equipped with modern amenities which include:

- Ventilators
- BIPAP
- Infusion pumps
- Multi parameter monitors
- Central suction line
Department of Anatomy

- The Department aims to be a leading esteemed centre for medical teaching and research across the breadth of the discipline of Anatomical Sciences
- To develop the communication skills and the human touch to serve the sufferings to uphold the saying ‘medical profession is noble profession’
- The Department provides the best possible resources to staff and students for effective teaching and learning & research
  - Dissection Hall with at least 20 cadavers
  - Museum
  - Histology lab
  - Demonstration Rooms
  - Library/ seminar room
  - Research Laboratory

Department of Biochemistry

The department strives to develop and become a full-fledged teaching and research department which can excel in the field of biochemistry to cater to the needs and challenges of the region and the country as a whole.

The department is oriented to train the post graduate students in providing clinical chemistry diagnostic services specially in hospital settings.

PG Research Laboratory well equipped with:
- Vertical & Horizontal Chromatography Chamber
- Electrophoresis Chamber
- Incubator
- Hot Air Oven
- Flame Photometer
- Spectrophotometer
- Fume Cupboard

Services rendered by Clinical Chemistry Laboratory:
- Routine & Specialized analyte testing
- Endocrinial Investigations
- Fluid Chemistry
- Immunological Parameters
- POCT Decreases TAT Glucometer ABv HbA1c Nyco card reader

Central Research Laboratory well equipped with:
- Colorimeter
- Chromatography Chamber
- Electrophoresis Chamber
- Densitometer
- Electronic weighing machine
Department of Community Medicine

The department aims to impart knowledge about a multifactorial understanding of Health and Diseases among the Students through community interaction.

The department strives to investigate epidemic and endemic diseases in the community by the application of principles and methods in Epidemiology and Biostatistics and to assess the health needs of various groups in the community and participate in planning, implementation & monitoring of appropriate health care services.

Time to time Lectures by guest faculty is organized by the department. Students are given hands on training to help them increase their chances of employability by exposure to government functionaries & community.

ORGANIZATIONAL STRUCTURE :
- Department of Community Medicine
- UHTC, Moradabad
- RHTC, Amroha
- Two Govt. PHCs - PHC Kundarki, PHC TAJPUR

Department of Forensic Medicine

The department of Forensic Medicine provides scientifically proven methods of preparing of Medico-legal reports and post mortem examinations to MD students of Forensic Medicine and other specialties, so that in future they will be well versed with the legalities of their fields. The Department works with following objectives:

- To develop a well-organized, well-equipped department with all modern teaching facilities to train medical students & to cater medico-legal services to the public at large
- To produce a Doctor who is well informed about medico-legal responsibilities during the practice of Medicine
- The Students shall make them acquire knowledge of the law in relation to medical practice, medical negligence and in respect for codes of medical ethics and consumer protection act
- To make the Medical Students capable of making observations and inferring conclusions by logical deductions to set enquiries on the right track in criminal matters and associated medico-legal problems.
- To create interest in the research in relation to various medico-legal problems

The departmental teaching faculty has published various research papers in National and International journals. They are associated with various professional associations at different levels to serve the society and for the better understanding of the subject.
Department of Microbiology

The main aim of the department is to train the Students in the field of Microbiology, both theoretical as well as practical aspects in its different sub-specialties viz. Bacteriology, Virology, Serology, Immunology, Parasitology, Mycobacteriology, Mycology & Molecular laboratory, so that they can know the importance of Microbiology for infectious diseases, pathogenesis and diagnosis, their detection by different techniques and to establish targeted care, control and prevention of the infectious diseases in the community & hospital settings.

The students will be trained to carry out basic research work and its prospective implementations in future. They will also be involved in teaching which will enable them to grow as future teaching faculty for medical colleges.

STRENGTHS:
- Excellent physical infrastructure
- Guest lecture by emeritus faculties
- Well equipped Molecular Lab for Research and Diagnostics
- Well established PhD & Post Graduate Courses with excellent research Infrastructure
- Well-equipped laboratories with sophisticated machines and instruments
- Qualified and experienced faculty
- Collaborative projects of department

Department of Pathology

The Department of Pathology has been planned as a complete state-of-the-art investigation service with an academic and research focus. The department has facilities with the focus on high end investigations in a cost effective manner for the benefit of poor patients. It has got important Laboratory establishments for teaching and patient’s service involving specialized technical skills.

The Department has following sections:
- Haematology Lab
- Clinical Pathology
- Histopathology Lab
- Cytopathology Lab
- Frozen section
- Blood and Component Bank

STRENGTHS:
- Well qualified and experienced faculty & staff
- Well equipped laboratories with sophisticated machines & instruments
- Excellent infrastructure
The Department is strongly devoted to provide excellent programs in teaching, research and service and is also committed for the development of leadership, innovation and scholarly excellence.

The Department is registered with IPC under PvPI as AMC center.

The Department trains the postgraduate students on the basic principles of Pharmaco vigilance to inculcate the habit of Adverse drug Reaction reporting in the medical professionals.

The Department uses computer simulation models as replacement of animal experiments for undergraduate as well as postgraduate students. The department uses various innovative methods to teach students like seminars by students, small group teaching, assignment completion etc.

The faculty with postgraduate students is actively involved in research & development.

The Department also plans to start research at undergraduate level by involving students to take up ICMR-STS projects.

The Department recently conducted a crossword puzzle competition for one of the units.

**Department of Physiology**

Physiology is the study of the functions of the body. Each course in the curriculum emphasizes an integrated study of human physiology. A strong emphasis is being placed on teaching, and the academic staff is dedicated and experienced in their field, committed to producing the best out of the students. The strength of the Department of Physiology lies in the outstanding faculty who take pride in a strong commitment to excellence in teaching. The department is actively engaged in a range of educational activities, including both classroom teaching across the campus, as well as the training of high quality graduate and post graduate students.

The department strives to teach and train the post graduate students in order to have comprehensive understanding of physiology as well as that of applied disciplines and to acquire adequate knowledge of the current developments in medical sciences as related to physiology. The department is oriented to principles of research methodology and is thus able to plan and conduct research effectively.
Facilities

The College Campus

Teerthanker Mahaveer Medical College and Research Centre and TMU Hospital are located in the same sprawling campus of TMU at Moradabad. The college building is a masterpiece of architecture and has state-of-the-art facilities that are in tune with the best in the world. The college building basks in fine aesthetics and is impressive. The college has a comprehensive set of 20 departments that make a complete learning.

Lecture Halls

The college has four well laid-out lecture halls with seating capacity of 280 each. The desks are well spaced out and halls are airy, well-lit and have fine acoustics. Each hall also has the latest audio visual teaching aids. All other aspects pertaining to medical learning have been taken into account in planning and making of these lecture halls.

Auditorium

The Auditorium is centrally air-conditioned and is fully equipped with audio-visual facilities. It is extensively used for seminars, symposia, lectures of eminent speakers, etc.
Facilities

Hostels & Guest House
The college has well-furnished, self-contained separate hostels for boys and girls on the campus. The hostel rooms are airy. Round the clock security is provided. The mess facility is also provided to students residing in hostels which provides hygienic Indian cuisine. The hostels have reading rooms, recreational areas with T.V. and indoor game facilities such as carom, table tennis, etc. The hostels have a well equipped gymnasium under the supervision of a physical trainer. There is also a well maintained guest house for the visitors.

... Home Away from Home

Canteens & Restaurants
Talk-of-the-Town, Log-in Pizza restaurants and well maintained canteens in the campus provide students, staff and visitors a variety of Indian, Continental and Asian cuisine. A shopping center in the campus helps students and university personnel procure essential commodities.

... Good Food, Good Feeling

Sports
Sports and fitness is an integral part of the University which provides a network of facilities, inducing opportunities for sports participation at all levels, and provides a chances to its students to take part in a wide range of sports pursuits. State-of-the-art sports facilities are available in the University to ensure all round development of the students. The cricket pitch of the University complies with the international standards and has hosted prestigious tournaments like Ranaji Trophy and Cooch Vihar Tournament.

... The Way Of Life
Facilities

Library

The college has an excellent library facility with a provision for a separate reading room for the teaching staff and spacious reading halls. The total collection of the library is around 10,000 volumes. The Library subscribes to most of the National and International Journals required for the undergraduate and post-graduate students and faculty. The Reading Room of the library is kept open from 8 a.m. till late evening for the students to use it according to their convenience, need and habit.

The library has been provided with Wi-Fi internet facility and students and the faculty have open access to this facility. As the College and hostels are ‘Wi-Fi’ enabled, the students can access information from any point any where.

Banking & Transport Facility

Punjab National Bank provides banking services including lockers and ATMs on campus.

The University, maintains buses and cars to facilitate travel by students and faculty in a radius of up to 100 km. The University also maintains ambulances for medical emergencies. In addition, assorted utility vehicles are at the disposal of departments across campus.
Seminars and Workshops

There is an increase in our thrust on CMEs, research activities, seminars and workshops at college, regional, national and global level which are being organized at frequent intervals. The upward trend set in the last three years in the patient care and academic excellence is on the rise and is continuing to do so. The following Conference, Symposia & Workshop had been organised in past:

- State level conference for pathologists and microbiologists: IAPM-UP Chapter (PATHCON 2012) in the year 2012
- Basic orientation course ISO 15189:2012, two day training programme on 23th-24th July 2014
- 3rd Annual conference of Indian academy of cytopathologists (UP-CYTOCON - 2015)
- 3rd International Conference Of Society For Prevention Of Injuries And Corporal Punishment On 30 July 2016
- CME Organised by the Deptt of Forensic Medicine on 21 Oct 2016 (THEME- Medico legal Issues & Documentation in Medical Practice)
- Guest Lecture Organised By Deptt of Forensic Medicine on 08 Oct 2016 by Dr. Vijay Pal Khanagwal, Professor, PGIMS, Rohtak on Prevention of litigation in medical Practice
- The department of Psychiatry organised the zonal level CIPCON 2015 on 10-11 th October with participation of 250 delegates and 15 speakers
- Guest lecture by Dr. Chandra Kala Agarwal (Professor, Department of Anatomy, SMSMC, Jaipur on ‘Manuscript and Thesis writing’
- 1st TMU Cadaveric knee Arthroplasty Course in association with Orthopaedics Department
- UPORTHOCON 2015, Cadaveric workshop in Arthroscopy in association with Orthopaedics Department
- Ortho Symposium 2013
- Uporthocon 2015
- TMU Cadaveric Knee Arthroplasty Course
- Update on Carcinoma Cervix Organised by Department of Obstetrics & Gynaecology
- Spectrum 2016 Organised by Department of Obstetrics & Gynaecology
- CME Organised by the department of Surgery: Recent advances in Vascular and Endovascular surgery
### Seminars and Workshops

#### Organized CME/ Conferences/ Workshops 2013-16:

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Date</th>
<th>Topic</th>
<th>UPMC Credit Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>06.02.2013</td>
<td>Chiropractic Education Awareness</td>
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<tr>
<td>2</td>
<td>24.02.2013</td>
<td>MEDICON - 2013</td>
<td>04</td>
</tr>
<tr>
<td>3</td>
<td>30.03.2013</td>
<td>Web CME on “Diagnosis &amp; management of early Rheumatoid Arthritis.”</td>
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<td>4</td>
<td>24.04.2013</td>
<td>CME on &quot;Changing Trends in Hypertension Management: focus on Chlorthalidone.&quot;</td>
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<td>5</td>
<td>02.08.2013</td>
<td>Eye Banking</td>
<td>-</td>
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<tr>
<td>6</td>
<td>16.08.2013</td>
<td>Newer Trends in Phono Surgery</td>
<td>-</td>
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<tr>
<td>7</td>
<td>23.08.2013</td>
<td>Catheter related Infections</td>
<td>-</td>
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<tr>
<td>8</td>
<td>31.08.2013 &amp; 01.09.2013</td>
<td>CME on Muscular Dystrophy</td>
<td>08</td>
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<tr>
<td>9</td>
<td>06.09.2013</td>
<td>“Management of agenesis of Gall Bladder”</td>
<td>-</td>
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<td>10</td>
<td>20.09.2013</td>
<td>“Stem cells in Orthopedics: Current concepts and possible future applications”</td>
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<td>11</td>
<td>27.09.2013</td>
<td>“Central Airway Obstruction – Tracheobronchial Stenting”</td>
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<tr>
<td>12</td>
<td>04.10.2013</td>
<td>“Personality Disorders: What is Normal and What is not?&quot;</td>
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<tr>
<td>13</td>
<td>06.10.2013</td>
<td>Update on Carcinoma Cervix</td>
<td>-</td>
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<tr>
<td>14</td>
<td>18.10.2013</td>
<td>“Clinical Applications of Multi Detector CT”</td>
<td>-</td>
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<tr>
<td>15</td>
<td>27.10.2013</td>
<td>Ortho Symposium</td>
<td>04</td>
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<tr>
<td>16</td>
<td>15.11.2013</td>
<td>“Significance of Cultural and Traditional Practices in New Born care”</td>
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<tr>
<td>17</td>
<td>22.11.2013</td>
<td>“Avian Influenza”</td>
<td>-</td>
</tr>
<tr>
<td>18</td>
<td>30.11.2013</td>
<td>“Current Amendments in Criminal Law &amp; Medical Profession”</td>
<td>-</td>
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<tr>
<td>19</td>
<td>07.12.2013</td>
<td>“Latest Guidelines on Hypertension”</td>
<td>-</td>
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<tr>
<td>20</td>
<td>17.12.2013 &amp; 18.12.2013</td>
<td>3rd Basic Medical Education Workshop</td>
<td>08</td>
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<tr>
<td>21</td>
<td>24.09.2014</td>
<td>Brain body interaction in relation to disease</td>
<td>-</td>
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<tr>
<td>22</td>
<td>26.09.2014</td>
<td>Diagnostic Thoracoscopy and Pleurodesis</td>
<td>-</td>
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<tr>
<td>23</td>
<td>08.10.2014</td>
<td>Persistent Hyperinsulinemic Hypoglycemia of infancy</td>
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<tr>
<td>24</td>
<td>29.10.2014</td>
<td>Blood Pressure Variability and its clinical significance</td>
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<tr>
<td>25</td>
<td>07.11.2014</td>
<td>Cardiac CT</td>
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<tr>
<td>26</td>
<td>21.11.2014</td>
<td>Diabetic Retinopathy</td>
<td>-</td>
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<tr>
<td>27</td>
<td>21.12.2014</td>
<td>CME on recent advances vascular &amp; endovascular surgery</td>
<td>04</td>
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<tr>
<td>28</td>
<td>27/02/2015 to 01/03.2015</td>
<td>U.P. State Orthopaedic Conference “UP ORTHOCON-2015”</td>
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<td>29</td>
<td>17.03.2015 to 19.03.2015</td>
<td>Basic Medical Education Workshop</td>
<td>12</td>
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<tr>
<td>30</td>
<td>20/03/2015</td>
<td>International Classification of Diseases (ICD-10)</td>
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<tr>
<td>31</td>
<td>24.05.2015</td>
<td>Symposium on Glaucoma Update-2015</td>
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<tr>
<td>32</td>
<td>14.08.2015</td>
<td>Learning and Mastering Human Side of Medicine through Cultural Enlightenment</td>
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<tr>
<td>33</td>
<td>11.09.2015 &amp; 12.09.2015</td>
<td>O.T. Technicians Refresher Course</td>
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<td>34</td>
<td>13.09.2015</td>
<td>3rd Annual Conference of Indian Academy of Cytopathologists (UP Chapter) “UP CYTOCON-2015”</td>
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<td>35</td>
<td>15.09.2015</td>
<td>Dimpah Project</td>
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<td>36</td>
<td>27.09.2015</td>
<td>1st TMU Cadaveric Knee Arthroplasty Course (Under the Aegis of UPOA)</td>
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<td>37</td>
<td>10.10.2015 &amp; 11.10.2015</td>
<td>37th Conference of Indian Psychiatrical Society – Central Zone “CIPCON 2015”</td>
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<td>38</td>
<td>28.10.2015</td>
<td>Case scenarios in Pediatric gastroenterology Hematological cases for general pediatrician</td>
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<tr>
<td>39</td>
<td>06.11.2015 &amp; 07.11.2015</td>
<td>Physical principles of magnetic presence imaging Physical principles in computed tomography</td>
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<td>40</td>
<td>24.11.2015</td>
<td>Mitochondrial Medicine and Coenzyme Q10 in Health and Disease</td>
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<tr>
<td>41</td>
<td>10.12.2015</td>
<td>Patient care intenative (Double low class)</td>
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<td>42</td>
<td>24.12.2015 &amp; 25.12.2015</td>
<td>Physical principles in USG/Color dopler</td>
<td>-</td>
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<tr>
<td>43</td>
<td>16.03.2016</td>
<td>ZIKA VIRUS:- AN UPDATE</td>
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<tr>
<td>44</td>
<td>19.03.2016 &amp; 20.03.2016</td>
<td>Spectrum - 2016</td>
<td>04</td>
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<td>45</td>
<td>30.07.2016</td>
<td>SPIC-CON – 2016</td>
<td>04</td>
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**TOTAL CREDIT HOURS**: 74
<table>
<thead>
<tr>
<th>College Name &amp; Program</th>
<th>Program Duration</th>
<th>Tuition Fee (Rs.)</th>
<th>University Examination Fee (Rs.)</th>
<th>Eligibility</th>
<th>Criteria of Merit</th>
<th>Contact Nos.</th>
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<tbody>
<tr>
<td>Medical College &amp; Research Centre</td>
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<tr>
<td>MD</td>
<td>3 yrs.</td>
<td>♦ Anatomy ♦ Physiology ♦ Forensic Medicine ♦ Biochemistry ♦ Microbiology ♦ Pharmacology ♦ Community Medicine</td>
<td>7,00,000/- per year 7,00,000/- per year 7,00,000/- per year 7,00,000/- per year 7,00,000/- per year 7,00,000/- per year 7,00,000/- per year</td>
<td>90,000/- (for the whole program)</td>
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<td>Admission shall be made on the basis of NEET-2017 Merit</td>
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<td>MD</td>
<td>3 yrs.</td>
<td>♦ Pathology ♦ General Medicine ♦ Respiratory Medicine ♦ Radiology ♦ Paediatrics ♦ Psychiatry ♦ Dermatology ♦ Anaesthesia ♦ TB &amp; Chest</td>
<td>8,00,000/- per year 8,00,000/- per year 8,00,000/- per year 8,00,000/- per year 8,00,000/- per year 8,00,000/- per year 8,00,000/- per year 8,00,000/- per year</td>
<td>1,60,000/- (for the whole program)</td>
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<tr>
<td>MS</td>
<td>3 yrs.</td>
<td>♦ ENT ♦ General Surgery ♦ Ophthalmology ♦ Orthopaedics ♦ Obstetrics &amp; Gynaecology</td>
<td>8,00,000/- per year 8,00,000/- per year 8,00,000/- per year 8,00,000/- per year 8,00,000/- per year</td>
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<tr>
<td>MBBS</td>
<td>4 ½ yrs. + 1 yr. internship</td>
<td>For Non-Jain Candidates</td>
<td>16,20,000/- per year</td>
<td>50,000/- per professional</td>
<td>10 + 2 with minimum 50% marks in PCB and pass marks in English</td>
<td>Admission shall be made on the basis of NEET-2017 Merit</td>
</tr>
<tr>
<td>M.Sc. Medical (All specializations)</td>
<td>3 yrs.</td>
<td>♦ Anatomy ♦ Physiology ♦ Biochemistry ♦ Microbiology ♦ Pharmacology</td>
<td>54,000/- per yr</td>
<td>8,000/- per yr</td>
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</table>
Moradabad was founded in 1625 and named after Murad, a son of the Mughal Emperor Shahjahan. The ruins of a fort built in 1625 lie in the northern part of the city.

It is believed that Brassware industry traces its roots to Moradabad and has now spread to the rest of the country. Although the art of Brassware developed in the period of the Mughals, evidence suggests that Indians, from around 3000 B.C., knew the process of metallurgy. The discovery of a bronze statue of “Dancing Girl” in Harappa excavation proves this assertion.

The Brassware industry in Moradabad saw its boom during the early 19th century and the British carried the art of making Brassware to foreign markets. Artisans from Banaras, Lucknow, Agra and Jalesar formed the current cluster of Brassware industry in Moradabad. In 1980, various other metal wares like brass, EPNS, iron, aluminum, etc., were introduced. New technologies like electroplating, lacquering, powder coating also found application in the industry.

In Moradabad, there are several hundred units engaged in the manufacture and export of brass products. Majorly all retail conglomerates like Walmart, IKEA, Target, etc. purchase brass products from Moradabad. Average annual export of Brassware and handicraft items from Moradabad to rest of the world is to the tune of Rs. 3,000 crore, which constitutes 40% of total exports from India under this category. Moradabad city is a designated Special Economic Zone (SEZ) of the Government of India.

Over the years, Moradabad has grown in terms of population, business, infrastructure and administrative setup. Presently, the city has a population of 1.2 million and is the administrative headquarter of Moradabad, Amroha, Rampur and Bijnor districts. The civil amenities of the city are managed by Municipal Corporation, headed by the Mayor. To further augment the development of the city, the government has created Moradabad Development Authority.

The city is connected to seven state capitals and as many as 16 other industrial towns and large urban business centers. Delhi is only 152 km away. Famous hill stations of Nainital and Mussoorie are within 200 km from Moradabad city. Hastinapur, the holy city of Jains is 120 km. away from Moradabad.

The city is surrounded by industrial hubs like Rudrapur, Haridwar, Roorkee, Meerut, Kashipur, Noida and Delhi, providing ample opportunities for graduating students to get trained and absorbed both in Indian and multinational companies.

Road Map of the University

<table>
<thead>
<tr>
<th>City</th>
<th>Distance (Km)</th>
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<tbody>
<tr>
<td>Agra</td>
<td>242</td>
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<tr>
<td>Aligarh</td>
<td>143</td>
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<tr>
<td>Bareilly</td>
<td>108</td>
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<tr>
<td>Dehradun</td>
<td>216</td>
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<tr>
<td>Delhi</td>
<td>152</td>
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<tr>
<td>Haridwar</td>
<td>163</td>
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<tr>
<td>Kanpur</td>
<td>350</td>
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<tr>
<td>Lucknow</td>
<td>354</td>
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<tr>
<td>Meerut</td>
<td>104</td>
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<tr>
<td>Nainital</td>
<td>135</td>
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<tr>
<td>Roorkee</td>
<td>174</td>
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